

RAW SEQUENCE LISTING

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) no errors detected.

Application Serial Number: 10/573,378
Source: IFWP
Date Processed by STIC: 4/4/06

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IFWP

RAW SEQUENCE LISTING

DATE: 04/04/2006

PATENT APPLICATION: US/10/573,378

TIME: 10:38:43

Input Set : A:\5.1290 Sequence Listing.txt

Output Set: N:\CRF4\04042006\J573378.raw

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4 <110> APPLICANT: Kenya Shitara
5     Kazuyasu Nakamura
6     Yuji Ohki
8 <120> TITLE OF INVENTION: Recombinant antibody against human insulin-like growth
factors
10 <130> FILE REFERENCE: 5.1290
C--> 12 <140> CURRENT APPLICATION NUMBER: US/10/573,378
C--> 12 <141> CURRENT FILING DATE: 2006-03-24
12 <150> PRIOR APPLICATION NUMBER: PCT/JP04/014453
12 <151> PRIOR FILING DATE: 2004-09-24
15 <150> PRIOR APPLICATION NUMBER: JP03/331509
16 <151> PRIOR FILING DATE: 2003-09-24
18 <160> NUMBER OF SEQ ID NOS: 71
20 <170> SOFTWARE: PatentIn Ver. 2.0
22 <210> SEQ ID NO: 1
23 <211> LENGTH: 411
24 <212> TYPE: DNA
25 <213> ORGANISM: Rattus norvegicus
27 <220> FEATURE:
28 <221> NAME/KEY: CDS
29 <222> LOCATION: (1)..(411)
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32 atg gac atc agg ctc agc ttg gtt ttc ctt gtc ctt ttc ata aaa ggt 48
33 Met Asp Ile Arg Leu Ser Leu Val Phe Leu Val Leu Phe Ile Lys Gly
34 1 5 10 15
36 gtc cag tgt gag gta cac ctg gtg gaa tct ggg gga ggc tta gtg cag 96
37 Val Gln Cys Glu Val His Leu Val Glu Ser Gly Gly Gly Leu Val Gln
38 20 25 30
40 cct gga agg tcc ctg aaa ctc tcc tgt gca gcc tca gga ttc act ttc 144
41 Pro Gly Arg Ser Leu Lys Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe
42 35 40 45
44 agt aac tat tac atg acc tgg gtc cgc cag gct cca acg aag ggt ctg 192
45 Ser Asn Tyr Tyr Met Thr Trp Val Arg Gln Ala Pro Thr Lys Gly Leu
46 50 55 60
48 gag tgg gtc gca tac att agt agt ggt ggt ggt agc act tac tat cga 240
49 Glu Trp Val Ala Tyr Ile Ser Ser Gly Gly Gly Ser Thr Tyr Tyr Arg
50 65 70 75 80
52 gac tcc gtg aag ggc cga ttc act atc tcc aga gat aat gca aaa agc 288
53 Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Ser
54 85 90 95
56 acc ctg tac ctg caa atg gac agt ctg agg tct gag gac acg gcc act 336
57 Thr Leu Tyr Leu Gln Met Asp Ser Leu Arg Ser Glu Asp Thr Ala Thr
58 100 105 110
60 tat tac tgt aca aca gag gac tat ggg tat tgg ttt gct tac tgg ggc 384

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61 Tyr Tyr Cys Thr Thr Glu Asp Tyr Gly Tyr Trp Phe Ala Tyr Trp Gly
62      115                      120                      125
64 caa ggc act ctg gtc act gtc tct tca                      411
65 Gln Gly Thr Leu Val Thr Val Ser Ser
66      130                      135
69 <210> SEQ ID NO: 2
70 <211> LENGTH: 137
71 <212> TYPE: PRT
72 <213> ORGANISM: Rattus norvegicus
74 <400> SEQUENCE: 2
75 Met Asp Ile Arg Leu Ser Leu Val Phe Leu Val Leu Phe Ile Lys Gly
76      1          5          10          15
78 Val Gln Cys Glu Val His Leu Val Glu Ser Gly Gly Gly Leu Val Gln
79      20          25          30
81 Pro Gly Arg Ser Leu Lys Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe
82      35          40          45
84 Ser Asn Tyr Tyr Met Thr Trp Val Arg Gln Ala Pro Thr Lys Gly Leu
85      50          55          60
87 Glu Trp Val Ala Tyr Ile Ser Ser Gly Gly Gly Ser Thr Tyr Tyr Arg
88      65          70          75          80
90 Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ala Lys Ser
91      85          90          95
93 Thr Leu Tyr Leu Gln Met Asp Ser Leu Arg Ser Glu Asp Thr Ala Thr
94      100         105         110
96 Tyr Tyr Cys Thr Thr Glu Asp Tyr Gly Tyr Trp Phe Ala Tyr Trp Gly
97      115         120         125
99 Gln Gly Thr Leu Val Thr Val Ser Ser
100     130         135
103 <210> SEQ ID NO: 3
104 <211> LENGTH: 384
105 <212> TYPE: DNA
106 <213> ORGANISM: Rattus norvegicus
108 <220> FEATURE:
109 <221> NAME/KEY: CDS
110 <222> LOCATION: (1)..(384)
112 <400> SEQUENCE: 3
113 atg gat ttt cag gtg cag agt ttc agc ctc ctg cta atc agt atc aca      48
114 Met Asp Phe Gln Val Gln Ser Phe Ser Leu Leu Leu Ile Ser Ile Thr
115      1          5          10          15
117 gtc ata gtg tcc agt gga gaa att gtg ctc acc cag tct cca aca acc      96
118 Val Ile Val Ser Ser Gly Glu Ile Val Leu Thr Gln Ser Pro Thr Thr
119      20          25          30
121 atg gct gca tct cca gga gag aag gtc acc atc acc tgc cgt gcc agc      144
122 Met Ala Ala Ser Pro Gly Glu Lys Val Thr Ile Thr Cys Arg Ala Ser
123      35          40          45
125 tca agt gta agc tac atg cac tgg ttc cag cag aag tca ggc acc tcc      192
126 Ser Ser Val Ser Tyr Met His Trp Phe Gln Gln Lys Ser Gly Thr Ser
127      50          55          60
129 ccc aaa ccc tgg att tat ggc aca tcc aag ctg gct tct gga gtc cca      240

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130 Pro Lys Pro Trp Ile Tyr Gly Thr Ser Lys Leu Ala Ser Gly Val Pro
131 65 70 75 80
133 gat cgc ttc agt ggc agt ggg tct ggg acc tct tat tct ctc aca atc 288
134 Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Ser Tyr Ser Leu Thr Ile
135 85 90 95
137 agc tcc atg gag gct gaa gat gct gct act tat tac tgt ctg cag agg 336
138 Ser Ser Met Glu Ala Glu Asp Ala Ala Thr Tyr Tyr Cys Leu Gln Arg
139 100 105 110
141 agt agt tac cca ccc acg ttt gga gct ggg acc aag ctg gaa ctg aaa 384
142 Ser Ser Tyr Pro Pro Thr Phe Gly Ala Gly Thr Lys Leu Glu Leu Lys
143 115 120 125
146 <210> SEQ ID NO: 4
147 <211> LENGTH: 128
148 <212> TYPE: PRT
149 <213> ORGANISM: Rattus norvegicus
151 <400> SEQUENCE: 4
152 Met Asp Phe Gln Val Gln Ser Phe Ser Leu Leu Leu Ile Ser Ile Thr
153 1 5 10 15
155 Val Ile Val Ser Ser Gly Glu Ile Val Leu Thr Gln Ser Pro Thr Thr
156 20 25 30
158 Met Ala Ala Ser Pro Gly Glu Lys Val Thr Ile Thr Cys Arg Ala Ser
159 35 40 45
161 Ser Ser Val Ser Tyr Met His Trp Phe Gln Gln Lys Ser Gly Thr Ser
162 50 55 60
164 Pro Lys Pro Trp Ile Tyr Gly Thr Ser Lys Leu Ala Ser Gly Val Pro
165 65 70 75 80
167 Asp Arg Phe Ser Gly Ser Gly Ser Gly Thr Ser Tyr Ser Leu Thr Ile
168 85 90 95
170 Ser Ser Met Glu Ala Glu Asp Ala Ala Thr Tyr Tyr Cys Leu Gln Arg
171 100 105 110
173 Ser Ser Tyr Pro Pro Thr Phe Gly Ala Gly Thr Lys Leu Glu Leu Lys
174 115 120 125
177 <210> SEQ ID NO: 5
178 <211> LENGTH: 5
179 <212> TYPE: PRT
180 <213> ORGANISM: Rattus norvegicus
182 <400> SEQUENCE: 5
183 Asn Tyr Tyr Met Thr
184 1 5
187 <210> SEQ ID NO: 6
188 <211> LENGTH: 17
189 <212> TYPE: PRT
190 <213> ORGANISM: Rattus norvegicus
192 <400> SEQUENCE: 6
193 Tyr Ile Ser Ser Gly Gly Gly Ser Thr Tyr Tyr Arg Asp Ser Val Lys
194 1 5 10 15
196 Gly
199 <210> SEQ ID NO: 7
200 <211> LENGTH: 9

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201 <212> TYPE: PRT
202 <213> ORGANISM: Rattus norvegicus
204 <400> SEQUENCE: 7
205 Glu Asp Tyr Gly Tyr Trp Phe Ala Tyr
206 1 5
209 <210> SEQ ID NO: 8
210 <211> LENGTH: 10
211 <212> TYPE: PRT
212 <213> ORGANISM: Rattus norvegicus
214 <400> SEQUENCE: 8
215 Arg Ala Ser Ser Ser Val Ser Tyr Met His
216 1 5 10
218 <210> SEQ ID NO: 9
219 <211> LENGTH: 7
220 <212> TYPE: PRT
221 <213> ORGANISM: Rattus norvegicus
223 <400> SEQUENCE: 9
224 Gly Thr Ser Lys Leu Ala Ser
225 1 5
228 <210> SEQ ID NO: 10
229 <211> LENGTH: 9
230 <212> TYPE: PRT
231 <213> ORGANISM: Rattus norvegicus
233 <400> SEQUENCE: 10
234 Leu Gln Arg Ser Ser Tyr Pro Pro Thr
235 1 5
238 <210> SEQ ID NO: 11
239 <211> LENGTH: 118
240 <212> TYPE: PRT
241 <213> ORGANISM: Artificial Sequence
243 <220> FEATURE:
244 <221> NAME/KEY: gene
245 <222> LOCATION: (1)..(118)
246 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic protein
248 <400> SEQUENCE: 11
249 Gln Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln Pro Gly Arg
250 1 5 10 15
252 Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe Ser Asn Tyr
253 20 25 30
255 Tyr Met Thr Trp Val Arg Gln Ala Pro Gly Lys Gly Leu Glu Trp Val
256 35 40 45
258 Ala Tyr Ile Ser Ser Gly Gly Gly Ser Thr Tyr Tyr Arg Asp Ser Val
259 50 55 60
261 Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn Thr Leu Tyr
262 65 70 75 80
264 Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val Tyr Tyr Cys
265 85 90 95
267 Ala Arg Glu Asp Tyr Gly Tyr Trp Phe Ala Tyr Trp Gly Gln Gly Thr
268 100 105 110

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270 Leu Val Thr Val Ser Ser
271      115
274 <210> SEQ ID NO: 12
275 <211> LENGTH: 137
276 <212> TYPE: PRT
277 <213> ORGANISM: Artificial Sequence
279 <220> FEATURE:
280 <222> LOCATION: (1)..(137)
281 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic protein
283 <400> SEQUENCE: 12
284 Met Asp Ile Arg Leu Ser Leu Val Phe Leu Val Leu Phe Ile Lys Gly
285      1          5          10          15
287 Val Gln Cys Gln Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln
288      20          25          30
290 Pro Gly Arg Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe
291      35          40          45
293 Ser Asn Tyr Tyr Met Thr Trp Val Arg Gln Ala Pro Gly Lys Gly Leu
294      50          55          60
296 Glu Trp Val Ala Tyr Ile Ser Ser Gly Gly Gly Ser Thr Tyr Tyr Arg
297      65          70          75          80
299 Asp Ser Val Lys Gly Arg Phe Thr Ile Ser Arg Asp Asn Ser Lys Asn
300      85          90          95
302 Thr Leu Tyr Leu Gln Met Asn Ser Leu Arg Ala Glu Asp Thr Ala Val
303      100         105         110
305 Tyr Tyr Cys Ala Arg Glu Asp Tyr Gly Tyr Trp Phe Ala Tyr Trp Gly
306      115         120         125
308 Gln Gly Thr Leu Val Thr Val Ser Ser
309      130         135
312 <210> SEQ ID NO: 13
313 <211> LENGTH: 411
314 <212> TYPE: DNA
315 <213> ORGANISM: Artificial Sequence
317 <220> FEATURE:
318 <221> NAME/KEY: CDS
319 <222> LOCATION: (1)..(411)
320 <223> OTHER INFORMATION: Description of Artificial Sequence: synthetic DNA
322 <400> SEQUENCE: 13
323 atg gac atc agg ctc agc ttg gtt ttc ctt gtc ctt ttc ata aaa ggt      48
324 Met Asp Ile Arg Leu Ser Leu Val Phe Leu Val Leu Phe Ile Lys Gly
325      1          5          10          15
327 gtc cag tgt cag gtg cag ctg gtg gag tct ggg gga ggc gtc gta cag      96
328 Val Gln Cys Gln Val Gln Leu Val Glu Ser Gly Gly Gly Val Val Gln
329      20          25          30
331 cct ggg agg tcc ctg aga ctc tcc tgt gca gcc tct gga ttc acc ttt      144
332 Pro Gly Arg Ser Leu Arg Leu Ser Cys Ala Ala Ser Gly Phe Thr Phe
333      35          40          45
335 agc aac tat tac atg acc tgg gtc cgc cag gct cca ggg aag ggg ctg      192
336 Ser Asn Tyr Tyr Met Thr Trp Val Arg Gln Ala Pro Gly Lys Gly Leu
337      50          55          60

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VERIFICATION SUMMARY

PATENT APPLICATION: US/10/573,378

DATE: 04/04/2006

TIME: 10:38:44

Input Set : A:\5.1290 Sequence Listing.txt

Output Set: N:\CRF4\04042006\J573378.raw

L:12 M:270 C: Current Application Number differs, Replaced Current Application No

L:12 M:271 C: Current Filing Date differs, Replaced Current Filing Date